

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/047223 A1

(51) International Patent Classification: C07C 41/18, 43/04

(21) International Application Number:
PCT/EP2004/013160

(22) International Filing Date:
17 November 2004 (17.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03078564.6 17 November 2003 (17.11.2003) EP

(71) Applicant (for all designated States except US): DSM
IP Assets B.V. [NL/NL]; Het Overloon 1, NL-6411 TE
HEERLEN (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SARA KINOS,
Georgios [GR/NL]; Keizer Karelplein 14, NL-6211
TC MAASTRICHT (NL). BROXTERMAN, Quirinus
Bernardus [NL/NL]; Gelrestraat 11, NL-6151 JA MUN-
STERGELEEN (NL).

(74) Agent: MATULEWICZ, Emil, Rudolf, Antoni; DSM
Intellectual Property, Delft Office (600-0240), P.O. Box 1,
NL-2600 MA DELFT (NL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF ALIPHATIC PRIMARY ALCOHOLS AND RELATED INTERMEDIATES
IN SUCH PROCESS

(57) Abstract: The invention relates to protected alcohol with formula $(R^1 - O)_m PG$, wherein R^1 represents a linear, straight-chain
alkyl group having 26-30 C-atoms, m is 1 or 2, and PG, forming an ether group in combination with the -O- of the former primary
alcohol, represents a protecting group chosen from the group of substituted methyl, substituted ethyl, substituted benzyl and (substi-
tuted) silyl groups with at least one substituent on the Si-atom being not a methyl group, in case m = 1; and a diol protecting group in
case m = 2, with the proviso that PG is no saccharide. The invention further relates to process for the preparation of such protected
alcohols via an organometallic cross coupling reaction.

WO 2005/047223 A1